

# DEVELOPMENT CHALLENGES, SOUTH-SOUTH SOLUTIONS

E-newsletter of the United Nations Office for South-South Cooperation in UNDP



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## 1) 3D Home Printing Landmark: 10 Houses in a Day

The global South is experiencing urban growth on a scale unprecedented in human history, far outstripping the great urbanization wave that swept across Europe and North America during the 19th and 20th centuries.

Faced with growth at this pace, governments - both national and local - often become overwhelmed by the rate of change and find it difficult to cope. One of the most common complaints urban-dwellers around the world have is about their living conditions. Even in developed countries, creating enough housing to match demand can be a struggle.

Quality housing is crucial to human development and quality of life. Adequate living space and access to running water make a significant contribution to people's health and well-being. Despite this obvious conclusion, millions of urban dwellers live in squalid conditions with poor sanitation, overcrowding, crime, pollution, noise and a general feeling of insecurity. Insecure people find it difficult to access stable jobs and suffer stigma for living in poor-quality neighbourhoods.

But many initiatives are seeking to speed up the pace of home construction.

These include the Moladi construction system from South Africa (moladi.net). Moladi uses moulds to assemble houses, so that the building skills required are minimal and easily learned. Built to a template that has been tested for structural soundness and using a design that produces a high-quality home both in structure and appearance, the Moladi system seeks to provide an alternative to makeshift homes that are structurally unsound and vulnerable to fires, earthquakes and other natural disasters.

Another clever approach is a home and dwelling assembly system developed by architect Teddy Cruz (<http://estudioteddycruz.com>) (<http://visarts.ucsd.edu/faculty/teddy-cruz>) that allows slum dwellers to gradually construct a building in stages as they can afford it. It is earthquake-safe and fire resistant.

Another approach turns to the fast-growing technology of 3D printing ([http://en.wikipedia.org/wiki/3D\\_printing](http://en.wikipedia.org/wiki/3D_printing)). This technology has gone mainstream in the past five years in the form of desktop-sized 3D printers, or fabricators as they are sometimes called. The machines assemble objects in an additive fashion - layer-by-layer - using digital designs from a computer.

3D printers can make a complex object without having to resort to mass manufacturing. An accurate, one-off object can be created with the same precision as a machined object. Architects, for example, use the technology to make 3D models of their designs. And now a company in China is hoping to use 3D printers to make houses.

The WinSun Decoration Design Engineering Co. (<http://www.yhbm.com/index.aspx>) 3D printed 10 houses in 24 hours in Shanghai's Qinqpu district, reported Business Insider.

This landmark achievement was accomplished with a giant printer - 152 meters long, 10 meters wide, and 6 meters high - which manufactured walls for the house from a mix of construction waste and cement.

As a sign of the confidence the company has in the innovative construction technique, it built its own 10,000 square meter headquarters in one month using the same materials. The company's chief executive officer, Ma Yihe, is also the inventor of the technique. It is a very flexible technology and the

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material can be tinted different colors according to the customer's wishes. It is cheap to work with and is also less draining on environmental resources than traditional building materials.

The 10 houses consist of two concrete side supporting walls with glass panels at the front and back and with a triangle roof. They will be used as offices at a high-tech industrial park in Shanghai. The company has big plans, hoping to use the technology to build more homes - and even skyscrapers.

Competition is heating up as people around the world seek to perfect 3D technology to print houses to meet the growing demand for dwellings.

In The Netherlands, Dutch architectural firm Dus Architects ([dusarchitects.com](http://dusarchitects.com)) commissioned the development of a leviathan 3D printer so it could print entire rooms. Modeled on a much smaller home desktop version, the Ultimaker ([ultimaker.com](http://ultimaker.com)), this printer creates whole rooms that are then assembled into custom-built houses.

The 6-meter high KamerMaker ([kamermaker.com](http://kamermaker.com)), or "room builder", is being used in Amsterdam to build a full-size house.

The project is called "3D Print Canal House" (<http://3dprintcanalhouse.com/>). The printer assembles the rooms individually, and then they are snapped together to make a house. The internal structure of the building blocks are in a honey-comb pattern, which is then filled with a foam that becomes as hard as concrete.

"For the first time in history, over half of the world's population is living in cities," Dus Architects founder Hans Vermeulen told cnet.com. "We need a rapid building technique to keep up the pace with the growth of the megacities. And we think 3D printing can be that technique."

"We bought a container from the Internet and we transformed it into one of the biggest printers on this planet."

This technology can also easily use recycled waste materials and lower the pollution and cost of moving building materials around. The Dus Architects prototype house is expected to take three years to complete (so, still in its early development phase) and will look like a typical Dutch canal house with a pointy, gabled roof (<http://www.build.com.au/gabled-roof>).

One of the pioneering advocates for using 3D technology to address the global South's urbanization and housing challenge has been Larry Sass, director of the Digital Design Fabrication Group (<http://ddf.mit.edu/>) at the Massachusetts Institute of Technology (MIT).

Three technologies have been developed at MIT since the 1950s that have made digital fabrication possible - computer numerical control (CNC), which enables computers to control machines; computer-aided design software in the 1960s; and 3D printing in the 1980s to make solid models using digital designs.

Sass told MIT's Spectrum newsletter ([spectrum.mit.edu](http://spectrum.mit.edu)) that large-scale 3D printing would mean "buildings will rise faster, use fewer resources, cost less, and be more delightful to the eye than ever before."

He envisions a future in which architects will be able to send their designs by computer to a 3D printer and it will then be able to start "printing" the building or a house accurately according to the original designs.

The conventional way of making buildings has been stuck in the same approach since the 1800s, according to Sass. It uses highly skilled and extensive labour, it is slow and plagued by weather disruptions and urban congestion, and it is expensive, often using materials brought from far away.

Digitally fabricating buildings takes a radically different approach: the building is made in a series of precision-cut, interlocking parts and then assembled on site like a jigsaw puzzle.

"It's the right delivery system for the developing world, because the developing world doesn't have an infrastructure of tools, air guns, saws and power," Sass said.

"Design and high-quality construction is mostly for the rich," added Sass, who was raised in Harlem, a New York City neighbourhood with high poverty levels. "I've always wanted to figure out how to bring design choice and architectural delight to the poor."

#### **LINKS:**

- 1) 3D Printing Technologies: A website exploring the development of 3D technology. **Website:** <http://www.3d-printing-technologies.com/index.html>
- 2) Sweet Home 3D: An open source, free interior design software application that allows users to draw the plan of their house, arrange furniture and view in 3D. **Website:** [sweethome3d.com](http://sweethome3d.com)
- 3) A video showing how it was done is here: <http://www.businessinsider.com/this-video-shows-how-a-company-3-d-printed-10-houses-in-a-day-2014-4>
- 4) 3-D Printed Buildings for A Developing World from MIT's Spectrum. **Website:** <http://spectrum.mit.edu/articles/3-d-printed-buildings-for-a-developing-world/>

## 2) Old Boats Become New Furniture in Senegal

Every country has its fair share of waste and the remnants of past economic activity. Old cars nobody wants, discarded tins of food, old plastic bags, spare copper wire, cast-off clothing - all can have a new life in the right hands.

An intriguing twist on recycling is happening in the West African nation of Senegal. The country has a strong fishing tradition, and plenty of boats are used to haul in the catch every day. These boats are elaborately decorated and dazzle the eye when lined up on the beach awaiting the next journey to sea. But what to do with the boats when they have completed their service?

One ingenious social enterprise is turning the weather-beaten but colorful boats into highly prized pieces of furniture that sell in the boutiques of Europe. The enterprise Artlanticque (slogan "Made in Africa") (<http://artlanticque.com>) gathered together local craft folk, both masters and young apprentices, to tackle the challenge of re-shaping old fishing boats into furniture.

Artlanticque's founder, Spanish designer Ramon Llonch, then sends the furniture back to his shop in Barcelona, Spain where it is in turn distributed to shops around the world. Llonch ploughs Artlanticque's profits back in to expanding the business and hopes to hire more skilled craft folk in Senegal.

The idea is to create a "contemporary, modern design, which is above all 100 per cent African, as much in the material as in the making."

Each unique piece of furniture is a riot of color, with planks of wood harvested from the boats creating an original and eye-pleasing pattern. The furniture has the weathered look expected of wood battered by years of exposure to salty sea water, and is streaked and branded with colorful patterns from its previous life as a fishing boat. The furniture items include cabinets, tables, benches, work tables, chairs, picture frames, coffee tables and even a fusbball game table for lovers of soccer (football).

The catalogue that accompanies the website shows the families of the fisher folk, their boats, the workshop where the furniture is made, and the finished product. As the catalogue says, the boats "are stylish and elegant, their sides covered by many layers of paint, faded, and affected by rust from the salt and sea air, giving the wood a rich texture of different tones. Attracted by their beauty, and their history, we wondered whether after all the sea faring they had undergone, the wood would still be in good enough condition to begin a new life, to be 'reincarnated' into furniture."

Negotiations are made with the fisher folk to acquire boats when they look like they have reached the end of their work life. The purchased boat is taken to a beach-side workshop and the craft folk discuss what to do with it. Young apprentices work alongside skilled craft folk, gaining the skills to make a high-quality wooden product capable of being exported.

The craft folk draw on their years of experience to add value to the final product. "Their contribution is essential as they suggest which type of furniture would be the most suitable to make," Artlanticque's website explains. "They discuss their past and that of their forefathers: their cultural heritage, how to take full advantage of the wood, according to the size of the boat, and its color combinations."

The furniture made from the boat wood has a high value because each piece is unique and can not be replicated. The raw "Samba" wood comes from an African tropical tree ([http://en.wikipedia.org/wiki/Triplochiton\\_scleroxylon](http://en.wikipedia.org/wiki/Triplochiton_scleroxylon)) and remains untreated by chemicals. It is seasoned naturally by the sea from its years of service as a fishing boat.

"This wood ... has certain limitations, not only because it has a shape but also because it's very damaged by the salt, the sea, the sun and the lime. But these artisans are very talented," Llonch told CNN.

"Their creativity is not academic, they are like this by nature because [for them] recycling and reusing is not a fashion, it's not a trend."

Artlanticque-branded furniture is now on sale in boutiques in Barcelona, Spain, Paris, France and Rome, Italy.

In Brazil, artist Sérgio Dido (<http://www.artinsurf.com/art-dido.php>), who lives in the dynamic beach resort town of Buzios (<http://www.lonelyplanet.com/brazil/the-southeast/buzios>), also salvages wood from fishing boats to create art with a surfing theme. The work is featured in the Art in Surf shop (<http://www.artinsurf.com/index.php>).

### LINKS:

- 1) Jack Bell Gallery: The focus of the gallery is to exhibit, represent and champion contemporary artists, many from Africa. **Website:** [jackbellgallery.com](http://jackbellgallery.com)
- 2) Cradle to Cradle Products Innovation Institute: The Cradle to Cradle Products Innovation Institute, a non-profit organization, administers the Cradle to Cradle Certified™ Product Standard. It was created to bring about a new industrial revolution that turns the making of things into a positive force for society, economy, and the planet. **Website:** [c2ccertified.org](http://c2ccertified.org)

- 3) Southern Innovator Issue 5: Waste and Recycling: The fifth issue explores how innovation can tackle the challenges of improving human development on a planet with finite resources. **Website:** <http://www.scribd.com/doc/207579744/Southern-Innovator-Magazine-Issue-5-Waste-and-Recycling>
- 4) Senegal Tourist Office: Connect on the Facebook page to find out more about Senegal. **Website:** <https://www.facebook.com/pages/Senegal-Tourist-Office/211140248926509>

### 3) Innovative Solutions Celebrated in Ashden Awards

The world's population is heading towards 9.6 billion by 2050 (UN). Combined with a growing middle class and rising living standards across the global South, that means ever-greater demand on the world's finite resources. This raises a crucial question: Where will the energy to power rising living standards come from, and how much damage will be done to the planet's environment by pollution created generating it (<https://www.un.org/en/development/desa/news/population/un-report-world-population-projected-to-reach-9-6-billion-by-2050.html>)?

The solution advocated by the world's scientists is to move to sustainable energy creation, which does not rob from the future to create energy for today.

Such an approach requires fresh thinking and engagement from those who are actually involved in the struggle to raise living standards and improve human development.

One way to do this is to use high-profile awards and prizes to lure out fresh thinking and innovators and help them get the funding they need to realize their plans.

The International Ashden Awards ([ashden.org](http://ashden.org)) - considered the "leading green energy awards" - is about championing and promoting "practical, local energy solutions that cut carbon, protect the environment, reduce poverty and improve people's lives". It recently announced the finalists and winners for 2014.

The international finalists are 10 sustainable energy enterprises drawn from Africa (Burkina Faso, Tanzania), India and Southeast Asia (Cambodia, Myanmar). A handy, clickable and searchable online map (<http://www.ashden.org/winners>) further explains the winners and finalists for 2014 and previous years.

"With the stark warnings from the IPCC (Intergovernmental Panel on Climate Change) of the impacts of climate change, especially for the most vulnerable, we need to find solutions before it is too late," said Ashden founder-director Sarah Butler-Sloss.

"Our role at Ashden is to shine a light on those organizations around the world that are helping reduce carbon emissions and finding ways of adapting to the effects of climate change."

The mix of non-profit organizations and businesses among 2014's winners and finalists shows there is no shortage of enthusiasm and fresh thinking out there. Proof the global South is alive with innovators with solutions.

Among the five international winners - who will receive between US \$8,566 and US \$68,531 each - is India's Greenway Grameen ([greenwaygrameen.com](http://greenwaygrameen.com)). It is tackling the problem of harmful pollution caused by cooking. Despite rapid economic growth and the spread of consumer goods such as televisions and mobile phones, most Indian women still cook with wood or dung. This is not only time-consuming, it also produces health-damaging smoke. Greenway Grameen was founded by two young MBA graduates in 2010 to make and sell affordable, desirable cookstoves that reduce smoke, cook food more quickly and stay cleaner for longer, dramatically improving the quality of life for many women and girls. As of March 2014 more than 120,000 of Greenway's made-in-India smart stoves had been sold, benefitting around 610,000 people.

Another Indian winner is Infosys ([infosys.com](http://infosys.com)). India's fast-growing economy is making ever-greater demands on its electrical grid. Global IT giant Infosys is leading the way to more sustainable growth by embracing green building measures, decreasing electricity consumption per staff member across its Indian business campuses. Success lies in seizing every opportunity to cut energy consumption in its existing buildings - from reducing the size of chiller plants for air conditioning to painting roofs white to reflect the heat. Cutting-edge design of new buildings also helps keep offices cooler and maximizes natural light. Taking US \$80 million off its electricity bills, Infosys has proven the business case for large companies to invest in energy efficiency - not just in India but around the globe.

#### Among the other winners:

- Tanzania's Off Grid Electric ([offgrid-electric.com](http://offgrid-electric.com)) is a leader in solar energy in East Africa, using mobile money to sell solar power as a daily service at an affordable price. Mobile money - where customers pay with their mobile phones - is increasingly used as a method of payment. Off Grid stands out because it understands the importance of customer service, offering an all-day customer care telephone line and ongoing support from a local agent. More than 10,000 households have taken up the service since April 2012. As fast as systems are manufactured they are off to customers - thanks to a sophisticated mobile phone app-based customer registration and product-tracking system.

- Myanmar's Proximity Designs ([proximitydesigns.org](http://proximitydesigns.org)) is introducing treadle pumps ([http://en.wikipedia.org/wiki/Treadle\\_pump](http://en.wikipedia.org/wiki/Treadle_pump)) and other sustainable agriculture technologies to the country for the first time. Lifting water from wells and carrying it across fields is back-breaking, time-consuming work for rural farmers. Combined with water-saving drip irrigation technology, foot-operated treadle pumps that draw up water from wells can dramatically increase yields and incomes. Farmers are now seeing their lives transformed with some harvests and incomes more than doubling - and the pumps are helping ease the daily drudgery of farming. With over 90,000 households benefiting so far, Proximity Designs continues to adapt and introduce new products like solar pumps, to meet the needs of this rapidly changing country.

- Cambodia's Sustainable Green Fuel Enterprise (<http://www.sgfe-cambodia.com/environment>) is turning leftover coconut shells and other waste into clean-burning briquettes for use as cooking fuel in the capital Phnom Penh's homes and restaurants. While most Cambodians cook on wood charcoal, contributing to the country's rampant deforestation and air pollution, this pioneering Cambodian business - led by Carlo Figà Talamanca - can scarcely keep up with demand.

The finalists are also an innovative lot too. Kéré Architecture ([kerearchitecture.com](http://kerearchitecture.com)) in Burkina Faso, Africa, has set a new standard for green school buildings. The school it built has a ventilated roof and other clever design features, providing a much cooler environment for children to study in. Not only that, the school was built by local people, and largely with local materials. Germany-based Francis Kéré, originally from Burkina Faso, designed and built the school in his home village. Kéré Architecture has since designed and built more than 20 innovative, naturally cooled public buildings in Africa.

India's Sakhi Unique Rural Enterprise ([sureindia.co.in](http://sureindia.co.in)), or SURE, is a not-for-profit social enterprise in central Maharashtra that has selected, trained and supported more than 600 female micro-entrepreneurs to sell clean energy products such as solar lanterns and cleaner cookstoves to other women. For the women entrepreneurs, selling energy products boosts income and carries a social cachet, while customers also see their lives improved with time-saving products.

Another Indian innovator, Mera Gao Power (<http://meragaopower.com/>), is demonstrating the business case for meeting the needs of some of the poorest people in India with unsubsidized commercial micro-electric grids, connecting more than 20,000 Uttar Pradesh families to clean, affordable power. Each system is easy to install and provides seven hours of light and mobile phone-charging for up to 32 houses. And with weekly payments of just US \$0.42 cents, the electricity is even cheaper than kerosene.

The Rajasthan Horticulture Development Society (<http://horticulture.rajasthan.gov.in/>) in India has come up with a novel way to boost green agriculture and boost farming incomes. Farmers in the desert state of Rajasthan are seeing their sons return from cities to work on their farms thanks to a new solar-powered agricultural boom. The Rajasthan Horticulture Development Society (RHDS) has provided more than 10,000 farmers with new solar-powered water pumps, enabling year-round cultivation of high-value crops and the kind of high-tech horticulture that's never been seen in the region before. With farmers' incomes more than doubling, the programme has given them the "gift of life".

And finally, Tanzania's SimGas ([simgas.com](http://simgas.com)) is selling biogas plants that help people turn manure into clean gas for cooking instead of using charcoal, helping reduce deforestation. The plants are factory-produced and made of plastic, so they can be installed much more quickly than conventional plants and reach many more thousands of people. SimGas has just installed the largest plastic injection-moulding machine in East Africa, creating the potential to roll out biogas plants across East Africa.

The Ashden Awards were set up in 2001 to champion trailblazing sustainable energy enterprises and programmes that improve people's lives and tackle climate change. Ashden says its 150 award winners have improved the lives of 37 million people worldwide, and are now saving over 5 million tonnes of carbon emissions every year.

#### LINKS:

- 1) Innovation Prize for Africa: The IPA is an initiative of the African Innovation Foundation (AIF) started in 2011. IPA honours and encourages innovative achievements that contribute toward developing new products, increasing efficiency or saving cost in Africa. **Website:** <http://innovationprizeforafrica.org>
- 2) Champions of the Earth Award: The Champions of the Earth Award recognizes outstanding environmental leaders, whether individuals or organizations, that have exemplified inspiration, vision, innovation, leadership and action for the environment. This international award was established by UNEP in 2004. **Website:** [unep.org/awards/](http://unep.org/awards/)
- 3) The SEED Awards: The SEED Award recognizes innovation in local, environmentally-responsible and sustainable entrepreneurship. This international award is the flagship programme of the SEED Initiative, a partnership founded by the United Nations Development Programme (UNDP), UNEP, and the International Union for Conservation of Nature (IUCN). **Website:** [seedinit.org](http://seedinit.org)
- 4) Green Star Awards: The Green Star Awards recognize those who have made remarkable efforts to prevent, prepare for, and respond to environmental disasters around the world. This international award



is a joint initiative between UNEP, the UN Office for the Coordination of Humanitarian Affairs and Green Cross International. **Website:** <http://www.gcint.org/green-star-awards3>

#### 4) Innovative Ways to Collect Water from Air

World water resources are being depleted quickly as populations grow, urbanize and demand better living standards. Many scientists believe we are reaching peak water - the point at which fresh water is consumed faster than it is replenished.

According to Ensia ([ensia.com](http://ensia.com)), a magazine showcasing environmental solutions in action, 70 per cent of the earth's fresh water reserves are locked up in snow or ice, and are expensive to tap and bring to the world's water-stressed places. Of the remainder, most is in groundwater, soil moisture, swamps or permafrost, while just 0.3 per cent is easy to access in freshwater lakes and rivers.

By far the biggest user of water in the world - accounting for 69 per cent of the total - is farm irrigation. That's a serious concern when considering the world will need to grow more food to feed an increasing population. Just 1 per cent of water is used for livestock, while 15 per cent is used for electricity generation and 7 per cent for manufacturing. More water is currently being pumped from underground resources than is being replaced from underground aquifers.

The average person needs to consume 0.6 to 1.3 gallons (2.72 liters to 6 liters) of water per day to survive in a moderate climate. For drinking, cooking, bathing and sanitation, an individual needs 13 gallons (59 liters) a day (Ensia).

In many places, obtaining water requires a long trek to a well or stream. But non-desert climates have water as a resource readily available all around - trapped in the air. The clue to this resource's existence is in the air's humidity levels, the most visible sign of which is the dew that is found covering the grass and leaves every morning when people wake up. The trick is to extract that water from the air and create a steady supply of this essential resource.

Italian architect and designer Arturo Vittori (<http://www.vittori-lab.com/team/arturo-vittori>), a lecturer on aerospace architecture, technology transfer and sustainability, believes he has an answer.

Wired magazine (<http://www.wired.com/2014/03/warka-water-africa/>) reported that Vittori was inspired by a trip to Ethiopia, where he observed the daily struggle to get water. Access to water in northeastern Ethiopia often requires a long walk, which reduces the amount of time left in the day to do other things. Parents often take along their children, meaning the children cannot go to school. The time consumed by gathering water leaves people poorer and unable to dedicate more of their day to income-earning activities.

And there is no guarantee the water is safe to drink or free of chemical contaminants. This situation left Vittori pondering ways of coming up with an inexpensive solution that would eliminate the daily hassle of finding water and guarantee its quality.

The answer was a WarkaWater Tower (<http://www.architectureandvision.com/projects/chronological/84-projects/art/492-073-warkawater-2012?showall=&start=1>). The bamboo structure - which looks like an upended, latticework funnel - captures the dew and moisture in the air and collects it in a basket at the bottom.

The water collector is inspired by the Warka tree, or *Ficus vasta* ([http://en.wikipedia.org/wiki/Ficus\\_vasta](http://en.wikipedia.org/wiki/Ficus_vasta)). Native to Ethiopia, it is known for providing shade and as a rendezvous point for traditional gatherings.

A WarkaWater Tower stands 8 meters in height and is made from either bamboo or reeds. Inside, a mesh traps humidity from the air and the water drips down into a basket. One tower can gather around 94 liters of water a day. The water is right there in the community and not kilometers away, meaning time and energy saved for income-generating tasks.

A WarkaWater Tower is constructed in sections, which are assembled and then stacked on top of each other. The construction does not need special scaffolding or special machinery. Once the tower is in place, it can also be used as a solar-power generator.

The tower is still a prototype and Vittori plans to build two towers for a launch in 2015.

In Peru, reports the Latin American Herald Tribune (<http://www.laht.com/article.asp?ArticleId=700400&CategoryId=14095>), another innovative solution to the water crisis has been developed by students at the University of Engineering and Technology (UTEC) (<http://www.utec.edu.pe/Utec.aspx>). The students have developed a highway advertising billboard that can draw drinking water out of the air. Inspired by a campaign called "Ingenuity in Action", the students teamed up with a local advertising agency to design the billboard. It is capable of extracting water from the air and processing it through a filtration system as it flows down to a series of taps at the bottom.

The water-making billboard is at the 89.5 kilometer distance marker of the Pan-American Highway and has five electric-powered tanks that can hold a total of 96 liters of drinkable water. It is capable of providing enough water for hundreds of families. A true sign of our times!

## LINKS:

- 1) How to Build a Rainwater Collection System. **Website:** <http://www.wikihow.com/Build-a-Rainwater-Collection-System>
- 2) The geopolitical difficulties of access to water covered in The Devil and the Disappearing Sea: A True Story about the Aral Sea Catastrophe by Robert Ferguson. Website: amazon.com
- 3) "Earth may have underground 'ocean' three times that on surface" from The Guardian. **Website:** <http://www.theguardian.com/science/2014/jun/13/earth-may-have-underground-ocean-three-times-that-on-surface>
- 4) An article on the impact of the water crisis on food supplies. **Website:** <http://www.theguardian.com/lifeandstyle/2014/jul/09/enjoy-your-coffee-you-may-soon-not-be-able-to-afford-it>
- 5) How to Make Water in the Desert. **Website:** <http://www.wikihow.com/Make-Water-in-the-Desert>

## WINDOW ON THE WORLD

Check out our website archive: [southerninnovator.org](http://southerninnovator.org)

Southern Innovator magazine's fifth issue (ISSN 2222-9280) (ISBN 978-0-9920217-1-9) is now online and 5,000 copies are available for distribution. The fifth issue's theme is waste and recycling. View the issue online here: <http://www.scribd.com/doc/207579744/Southern-Innovator-Magazine-Issue-5-Waste-and-Recycling>.

Contact us about opportunities to sponsor this issue or any future issues and we can send you more information on how it works. Southern Innovator needs financial support in order to keep up the good work of sharing knowledge and innovation around the global South. Don't miss out on this great opportunity to reach the pioneers and innovators shaping our new world.

Southern Innovator magazine's fourth issue (ISBN 978-0-9920217-0-2) is also online and 5,000 print copies are available for distribution. The fourth issue's theme is cities and urbanization. View the issue online here: <http://www.scribd.com/doc/133622315/Southern-Innovator-Magazine-Issue-4-Cities-and-Urbanization>.

Issue 6 (ISBN 978-0-9920217-2-6) will be on the theme of science, technology and innovation. Get on board now and support the magazine and help us to reach more people. Please contact the United Nations Office for South-South Cooperation in UNDP if you would like a copy (copies) of Southern Innovator (<http://ssc.undp.org/content/ssc.html>).

The covers for Issues 4 and 5 are below:



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Issue 1 of Southern Innovator was called "...a terrific tour de force of what is interesting, cutting edge and relevant in the global mobile/ICT space..." and "Beautiful, inspiring magazine from UNDP on South-South innovation. Heart is pumping adrenaline and admiration just reading it"

Issue 4 has been called "fantastic, great content and a beautiful design!"

On Southern Innovator: "Btw, I really enjoyed reading them, impressive work & a great resource. Looking forward to Issue 6. My best wishes to you & your team at SI."

Also check out our SouthSouth Expo: 2013's Expo was in Nairobi, Kenya from 28 October to 1 November 2013. The first Arab States Regional South-South Development Expo took place from 18-20 February 2014 in Doha, Qatar: [southsouthexpo.org](http://southsouthexpo.org)

## BOOKS

**Human Development Report 2013: The Rise of the South.** The 2013 Human Development Report examines the profound shift in global dynamics driven by the fast-rising new powers of the developing world and its long-term implications for human development. **Website:**

<http://hdr.undp.org/en/mediacentre/humandevreportpresskits/2013report/>

*Human Development Reports, (1990-2013).* **Website:** <http://hdr.undp.org/en/reports/global/hdr2011/>

*The Frugal Innovator: Creating Change on a Shoestring Budget* by Charles Leadbeater, Publisher: Palgrave Macmillan. **Website:** [amazon.com](http://amazon.com)

*African Economic Outlook - Measuring the pulse of Africa*, Publisher: African Development Bank (AfDB), the OECD Development Centre and the United Nations Development Programme (UNDP). Africa's macroeconomic prospects remain favorable. In 2013, Africa maintained an average growth rate of about 4 per cent. This compares to 3 per cent for the global economy and underscores again the continent's resilience to global and regional headwinds. However, growth performance varied widely across country classifications and regions. **Website:** <http://www.africaneconomicoutlook.org/en/>

*The New Harvest: Agricultural Innovation in Africa* by Calestous Juma, Publisher: Oxford University Press.

**Website:** [http://belfercenter.ksg.harvard.edu/publication/20504/new\\_harvest.html](http://belfercenter.ksg.harvard.edu/publication/20504/new_harvest.html)

**NEW:** *The Dollar Trap: How the U.S. Dollar Tightened its Grip on Global Finance* by Eswar S. Prasad, Publisher: Princeton University Press. **Website:** <http://press.princeton.edu/titles/10182.html>

*The Death of Money: The Coming Collapse of the International Monetary System* by James Rickards, Publisher: Portfolio Hardcover. **Website:** [amazon.com](http://amazon.com)

*The Zero Marginal Cost Society: The Internet of Things, the Collaborative Commons, and the Eclipse of Capitalism* by Jeremy Rifkin, Publisher: Palgrave Macmillan. **Website:** [amazon.com](http://amazon.com)

*Edible Insects: Future prospects for food and feed security*, Publisher: FAO. **Website:**

<http://www.fao.org/docrep/018/i3253e/i3253e00.htm>

*Innovative Africa: The New Face of Africa: Essays on the Rise of Africa's Innovation Age* by Will Mutua and Mbwana Ally, Publisher: Afrinnovator. **Website:** <http://book.afrinnovator.com/>

*The Solution Revolution* by William D. Eggers and Paul Macmillan, Publisher: Harvard Business Press. Where tough societal problems persist, citizens, social enterprises, and yes, even businesses, are relying less and less on government-only solutions. More likely, they are crowd funding, ride-sharing, app- developing or impact-investing to design lightweight solutions for seemingly intractable problems. No challenge is too daunting, from malaria in Africa to traffic congestion in California. **Website:** [solutionrevolutionbook.com](http://solutionrevolutionbook.com)

*Aid on the Edge of Chaos* by Ben Ramalingam, Publisher: Oxford University Press. **Website:**

<http://aidonthedge.info/>

*Big Data: A Revolution That Will Transform How We Live, Work and Think* by

[Viktor Mayer-Schonberger](http://amazon.com) and Kenneth Cukier, Publisher: John Murray. **Website:** [amazon.com](http://amazon.com)

*The New Digital Age: Reshaping the Future of People, Nations and Business* by [Eric Schmidt](http://amazon.com) and [Jared Cohen](http://amazon.com), Publisher: John Murray. **Website:** [amazon.com](http://amazon.com)

*Interconnected Economies: Benefiting from Global Value Chains*, Publisher: OECD. **Website:**

<http://www.oecd.org/sti/ind/global-value-chains.htm>

*Need, Speed and Greed: How the New Rules of Innovation Can Transform Businesses, Propel Nations to Greatness, and Tame the World's Most Wicked Problems* by Vijay Vaitheeswaran, Publisher: HarperBusiness.

**Website:** [amazon.com](http://amazon.com)

*Living in the Endless City* edited by Ricky Burdett and Deyan Sudjic, Publisher: Phaidon. The city is the subject of the 21st century. All over the world, populations are shifting towards urban centres. *Living in the Endless City* depicts an authoritative survey of cities of today and the prospects for our urban future of tomorrow. 36 contributors from across Europe, South America, China, Africa and the U.S. set the agenda for the city - detailing its successes as well as its failures. **Website:** <http://www.urban-age.net/publications/living-in-the-endless-city/>



*Consumptionomics: Asia's Role in Reshaping Capitalism* by Chandran Nair, Publisher: Infinite Ideas. **Website:** [amazon.com](http://amazon.com)

*World 3.0: Global Prosperity and How to Achieve It* by Pankaj Ghemawa, Publisher: Harvard Business School Press. **Website:** [amazon.com](http://amazon.com)

*The End of Cheap China: Economic and Cultural Trends that will Disrupt the World* by Shaun Rein, Publisher: John Wiley and Sons. **Website:** [amazon.com](http://amazon.com)

*The Idealist: Jeffrey Sachs and the Quest to End Poverty* by Nina Munk, Publisher: Doubleday. In 2006, Sachs launched the Millennium Villages Project, a daring five-year experiment designed to test his theories in Africa. For the past six years, Nina Munk has reported deeply on the Millennium Villages Project, accompanying Sachs on his official trips to Africa and listening in on conversations with heads-of-state, humanitarian organizations, rival economists, and development experts. **Website:** [amazon.com](http://amazon.com)

*Breakout Nations* by Ruchir Sharma, Publisher: Penguin. Breakout Nations offers journeys through more than two dozen of the most interesting economies in the emerging world. **Website:** <http://breakoutnations.com/>

*Light Manufacturing in Africa* by Hinh T. Dinh et al, Publisher: World Bank. This book examines how light manufacturing can offer a viable solution for sub-Saharan Africa's need for structural transformation and productive job creation, given its potential competitiveness based on low wage costs and an abundance of natural resources that supply raw materials needed for industries. **Website:** <http://issuu.com/world.bank.publications/docs/9780821389614>

*China: And the End of Poverty in Africa – Towards Mutual Benefit?* by Penny Davis, Publisher: Diakonia and the European Network on Debt and Development. **Website:** [www.eurodad.org/uploadedFiles/Whats\\_New/Reports/Kinarapport\\_A4.pdf](http://www.eurodad.org/uploadedFiles/Whats_New/Reports/Kinarapport_A4.pdf)

*State of the Field in Youth Enterprise, Employment, and Livelihoods Development*, Publisher: Making Cents International. This practical resource features learning from over 80 leading organizations that are working around the world to increase and improve economic opportunities for young people. Topics include youth enterprise development; workforce development; youth-inclusive financial services; working with adolescent girls and young women; and monitoring, evaluation and impact assessment. **Website:** [www.YouthEconomicOpportunities.org/media.asp](http://www.YouthEconomicOpportunities.org/media.asp)

*Vitamin Green: The Definitive Guide to the World of Contemporary Sustainable Design: Features 100 Innovative Projects from Around the World* by editors of Phaidon Press, Publisher: Phaidon Press. **Website:** <http://uk.phaidon.com/store/architecture/vitamin-green-9780714862293/>

*Makers: The New Industrial Revolution* By Chris Anderson, Publisher: Crown Business. **Website:** [amazon.com](http://amazon.com)

*World Economic Outlook, October 2012: Coping with High Debt and Sluggish Growth*, Publisher: IMF. **Website:** [eurospangroup.com](http://eurospangroup.com)

*Information Economy Report 2012: The Software Industry and Developing Countries*, Publisher: United Nations Publications. **Website:** [eurospangroup.com](http://eurospangroup.com)

*China and India: Towards Global Economic Supremacy?* by Rita Dulci and Jose Miguel Andreu, Publisher: Academic Foundation. **Website:** [eurospanbookstore.com](http://eurospanbookstore.com)

*Devaluing to Prosperity: Misaligned Currencies and Their Growth Consequences* by Surjit S. Bhalla, Publisher: Peterson Institute for International Economics. **Website:** [eurospanbookstore.com](http://eurospanbookstore.com)

*China's Silent Army* by Juan Pablo Cardenal and Heriberto Araujo, Publisher: Allen Lane. **Website:** [amazon.com](http://amazon.com)

*The Production and Distribution of Knowledge in the United States* by Fritz Machlup, Publisher: Princeton University Press. *The Production and Distribution of Knowledge in the United States* marked the beginning of the study of our postindustrial information society. Austrian-born economist Fritz Machlup had focused his research on the patent system, but he came to realize that patents were simply one part of a much bigger "knowledge economy." He then expanded the scope of his work to evaluate everything from stationery and typewriters to advertising to presidential addresses - anything that involved the activity of telling anyone anything. *The Production and Distribution of Knowledge in the United States* then revealed the new and startling shape of the U.S. economy. **Website:** [amazon.com](http://amazon.com)

*Chinnovation: How Chinese Innovators are Changing the World* by Yinglan Tan, Publisher: John Wiley & Sons. **Website:** [amazon.com](http://amazon.com)

*China's Uncertain Future* by Jean-Luc Domenach, Publisher: Columbia University Press. **Website:** [amazon.com](http://amazon.com)

*Hello World: Where Design Meets Life* by Alice Rawsthorn, Publisher: Hamish Hamilton. **Website:** [amazon.com](http://amazon.com)

*Urgent Architecture: 40 Sustainable Housing Solutions for a Changing World* by Bridgette Meinhold, Publisher: W.W. Norton & Co. **Website:** [amazon.com](http://amazon.com)

*When the Money Runs Out: The End of Western Affluence* by Stephen D. King, Publisher: Yale Books. **Website:** [amazon.com](http://amazon.com)

*Architecture Now! Vol. 9* by Philip Jodidio, Publisher: Taschen. *Architecture Now! 9* includes works in Amsterdam and Inner Mongolia by architects as famous as Zaha Hadid and Jean Nouvel, and those as little known to the general public as Carla Juaçaba from Brazil. **Website:** [tashcen.com](http://tashcen.com)

## **Papers and Reports**

*National Intellectual Property Systems, Innovation and Economic Development: With perspectives on Colombia and Indonesia* Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?sf1=identifiers&st1=9789264204478>

*OECD Science, Technology and Industry Scoreboard 2013: Innovations for Growth* Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?K=5K49GNZP9H5L&LANG=EN>

*Start-up Latin America: Promoting Innovation in the Region* Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?K=5K468NKR9BZR&LANG=EN>

*Innovation in Southeast Asia* Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?K=5K9H35T9ZGTD&LANG=EN>

*Knowledge-based Start-ups in Mexico* Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?K=5K4C7QF5L05G&LANG=EN>

Latest publications from UNRISD in Geneva on the Social and Solidarity Economy: Think pieces by Meyer and Leal on [Community Development Banks](#) in Brazil, by Richards and Ruddick on [Complementary Currencies](#) in Kenya. and by Larraitz Altuna-Gabilondo on the [Mondragon](#) cooperative in Spain. The SSE conference event brief is now available in [English](#), [French](#) and [Spanish](#) at [http://www.unrisd.org/80256B3C005BCCF9/%28httpPublicationsHome%29/\\$First?OpenDocument](http://www.unrisd.org/80256B3C005BCCF9/%28httpPublicationsHome%29/$First?OpenDocument)

The new Social and Solidarity Economy [LinkedIn group](#) is stimulating dialogue and networking between practitioners, researchers and policy makers around the world. We invite you to join the group today. As a member you can exchange ideas about SSE, inform others of your work and get connected to colleagues from all over the world. You are welcome to post comments in your preferred language, and becoming a member is free of charge. Please share the webpage with your networks: <http://www.linkedin.com/groups/Social-Solidarity-Economy-5117299/about?trk=anet ug grpro>  
*Clean Air Asia Study 2012.* **Website:** <http://cleanairinitiative.org/portal/node/11338>

*African Economic Outlook 2012: Promoting Youth Employment* Publisher: Various. With almost 200 million people aged between 15 and 24, Africa has the youngest population in the world. This number will double by 2045. Many jobs have been created over the last decade, but the pace needs to accelerate significantly to match the demand of Africa's next generations. **Website:** <http://www.africaneconomicoutlook.org/en/>

*State of China's Cities: 2010/2011: Better City, Better Life* Publisher: UNHABITAT. **Website:** [www.scribd.com/doc/39882697/State-of-China-s-Cities-Report-2010-2011](http://www.scribd.com/doc/39882697/State-of-China-s-Cities-Report-2010-2011)

***Still our Common Interest: Commission for Africa Report 2010*** Publisher: Commission for Africa. **Website:** [www.commissionforafrica.info/2010-report](http://www.commissionforafrica.info/2010-report)

***The Emerging Middle Class in Developing Countries*** Publisher: OECD. **Website:** [www.oecdilibrary.org/oecd/content/workingpaper/5kmmmp8lncrns-en](http://www.oecdilibrary.org/oecd/content/workingpaper/5kmmmp8lncrns-en) (PDF - 2.09 mb)

*The Implications of China's Ascendancy for Africa* by Hany Besada, Publisher: The Centre for International Governance Innovation. This paper examines the extent to which China's engagement with Africa has produced mutual benefits for both and whether Africa is reaping the necessary benefits required for poverty alleviation and economic development. **Website:** [http://www.cigionline.com/sites/default/files/Paper\\_40-web.pdf](http://www.cigionline.com/sites/default/files/Paper_40-web.pdf)

*Global Economic Decoupling Alive and Well* Emerging economies decouple from the U.S., come closer to Europe. **Website:** <http://www.marketoracle.co.uk/Article23670.html>

*Africa begins to make poverty history: U.S. economists challenge conventional view that the continent is a basket case* **Website:** [www.guardian.co.uk/business/2010/mar/03/africa-makes-poverty-history](http://www.guardian.co.uk/business/2010/mar/03/africa-makes-poverty-history)

*The Demise of the Rest: on How the BRICS Are Crumbling and Why Global Economic Convergence Is a Myth* by Ruchir Sharma, Publisher: Foreign Affairs. **Website:** <http://www.foreignaffairs.com/articles/138219/ruchir-sharma/broken-brics>

*Meteoric Mongolia: Why It's Ascending So Fast – And How It Might Fall* by Morris Rossabi, Publisher: Foreign Affairs. **Website:** <http://www.foreignaffairs.com/articles/138794/morris-rossabi/meteoric-mongolia>

*Innovations in Green Economy: Top Three Agenda* by David South, Publisher: Southasiadisasters.net. **Website:** <http://www.preventionweb.net/english/professional/publications/v.php?id=35990>

## Magazines

**Southern Innovator Issue 1: Mobile Phones and Information Technology** Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/95410448/Southern-Innovator-Magazine-Issue-1-Mobile-Phones-and-Information-Technology>

**Southern Innovator Issue 2: Youth and Entrepreneurship** Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/106055335/Southern-Innovator-Magazine-Issue-2-Youth-and-Entrepreneurship>

**Southern Innovator Issue 3: Agribusiness and Food Security** Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/106055665/Southern-Innovator-Magazine-Issue-3-Agribusiness-and-Food-Security>

**Southern Innovator Issue 4: Cities and Urbanization** Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/133622315/Southern-Innovator-Magazine-Issue-4-Cities-and-Urbanization>

**Southern Innovator Issue 5: Waste and Recycling** Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/207579744/Southern-Innovator-Magazine-Issue-5-Waste-and-Recycling>

## New Publication

**Southern Innovator Issue 5: Waste and Recycling: Improving Human Development with Finite Resources** **Publisher:** UN Office for South-South Cooperation in UNDP. Southern Innovator's fifth issue explores how innovation can tackle the challenges of improving human development on a planet with finite resources. SI researchers identified innovative, low-polluting options to the world's energy needs. They found that it is possible to alter the way things are made to reduce or eliminate waste and toxic pollutants harming human health and damaging the environment. Order copies for distribution from the UN Office for South-South Cooperation in UNDP. ISSN 2222-9280 ISBN 978-0-9920217-1-9 **Website:** <http://www.scribd.com/doc/207579744/Southern-Innovator-Magazine-Issue-5-Waste-and-Recycling>

## On the Web

### Blogs and Websites

**Africa Interactive weblog:** Africa Interactive is a fast growing multimedia press and content agency in Africa, with 2,000 local reporters in 50 African countries. Its reporters tell the African story in text, photo or video. Its database contains filmmakers, journalists, photographers, stringers and marketing experts. **Website:** <http://africainteractive.wordpress.com/page/2/>

**Conserve India:** Conserve India, a leading not-for-profit organization born out of a desire to reduce and reuse India's growing mountain of waste, and simultaneously help the most vulnerable community of rag-pickers. **Website:** <http://conserveindia.wordpress.com/>

**Raspberry Pi:** The Raspberry Pi is a credit-card sized computer that plugs into your TV and a keyboard. It's a capable little PC which can be used for many of the things that your desktop PC does, like spreadsheets, word-processing and games. It also plays high-definition video. Raspberry Pi want to see it being used by kids all over the world to learn programming. **Website:** [raspberrypi.org](http://raspberrypi.org)

**African Robotics Network:** The African Robotics Network (AFRON) is a community of institutions, organizations and individuals engaged in robotics in Africa. AFRON seeks to promote communication and collaborations that will enhance robotics-related education, research and industry on the continent. To achieve this, AFRON organizes projects, meetings and events in Africa at robotics and automation conferences abroad. **Website:** <http://robotics-africa.org/>

**Polis:** A collaborative blog about cities around the globe. **Website:** <http://www.thepolisblog.org/2012/03/coca-cola-in-africa.html>

**mDirectory:** The mDirectory is the most comprehensive database of information on mobile tech for social change on the Web: case studies, mobile tools, research, and how-to guides. **Website:** <http://mobileactive.org/directory>

**Global Development:** Launched in September 2010, this website from the Guardian newspaper tracks progress on the MDGs, encourages debate on its blogs, offers a rich store of datasets from around the world, and features monthly podcasts and resources for schools. **Website:** [www.guardian.co.uk/global-development](http://www.guardian.co.uk/global-development)

**Focus on Land in Africa:** Focus on Land in Africa (FOLA) is an educational resource for development practitioners and policy makers that explores how land and natural resource rights affect, and are effected by, development in Africa. Through raising awareness of these issues, FOLA aims to elevate land and natural resource rights as an urgent priority for development in Africa. **Website:** [http://www.focusonland.com/?utm\\_source=Com+Plotlines+-+OCT+2013&utm\\_campaign=4+Plotlines+SEPT+2013+Plots&utm\\_medium=email](http://www.focusonland.com/?utm_source=Com+Plotlines+-+OCT+2013&utm_campaign=4+Plotlines+SEPT+2013+Plots&utm_medium=email)

**India Water Tool:** The India Water Tool (IWT) is a country customization of the [Global Water Tool](#), and has been developed by a 14 company working group based in India. The companies pooled their expertise to obtain *the best available data on ground water availability and quality in India* and customize the tool to their country context. The tool will help companies respond to the growing challenges of managing water effectively in this large, water scarce country. **Website:** <http://www.wbcd.org/indiawatertool.aspx>

**International Development Economics Associates (IDEAs):** International Development Economics Associates (IDEAs) is a pluralist network of progressive economists across the world, engaged in research, teaching and dissemination of critical analyses of economic policy and development. **Website:** [www.networkideas.org/](http://www.networkideas.org/)

**OECD: Tackling the economic crisis website:** The global economic crisis is entering a new phase amid signs of a return to positive growth in many countries. But unemployment is likely to remain high and much still needs to be done to underpin a durable recovery. This website will track the recovery. **Website:** <http://www.oecd.org/general/tacklingthecrisisastrategicresponse.htm>

**The Global Urbanist:** News and analysis of cities around the world: planning, governance, economy, communities, environment, international. **Website:** [globalurbanist.com](http://globalurbanist.com)

**Green Prophet:** Green Prophet is a sustainable voice for green news on the Middle East region. A region with sweeping changes and immense opportunities for sustainable investment and growth, we cover a vast and unexplored territory from Morocco to Iran. The Middle East and North Africa region includes more than half a billion people. Controlling about 60 per cent of the world's oil, and 45 per cent of its natural gas reserves, and with little environmental awareness in general and dwindling water resources, the region's activities are of immense consequence for climate change, human migration, and the future of our planet. **Website:** <http://www.greenprophet.com/>

**Inhabitat:** Inhabitat.com is a weblog devoted to the future of design, tracking the innovations in technology, practices and materials that are pushing architecture and home design towards a smarter and more sustainable future. **Website:** <http://inhabitat.com/>

**ICT Update:** A bimonthly printed bulletin, a web magazine, and an accompanying email newsletter that explores innovative uses of information technology in agriculture and rural development in African, Caribbean and Pacific (ACP) countries. **Website:** <http://ictupdate.cta.int/en/Regulars/Perspectives/%28issue%29%56>

**Youth-Inclusive Financial Services (YFS-Link) Program website:** The first space for financial services providers (FSPs) and youth-service organizations (YSOs) to gather, learn and share about youth-inclusive financial services. **Website:** <http://www.makingcents.com/ourWork/yfsLink.php>

*Triple Crisis Blog: Global Perspectives on Finance, Development and Environment* **Website:** <http://triplecrisis.com/>

**Full Disclosure:** The Aid Transparency Blog: A Devex blog, written by members of the international community. **Website:** [www.devex.com/en/blogs/full-disclosure](http://www.devex.com/en/blogs/full-disclosure)

**Africa Portal:** An online knowledge resource offering researchers and opinion leaders a forum to share their insights on Africa and publish their work on pressing areas of concern to policymakers and the public. It aims to fill the gap in accessibility to research and information on policy issues on the continent. **Website:** [africaportal.org](http://africaportal.org)

**African Economic Outlook:** A unique online tool that puts rigorous economic data, information and research on Africa at your fingertips. A few clicks gives access to comprehensive analyses of African economies, placed in their social and political contexts. This is the only place where African countries are examined through a common analytical framework, allowing you to compare economic prospects at the regional, sub-regional and country levels. **Website:** [africaneconomicoutlook.org/en](http://africaneconomicoutlook.org/en)

**Africa Renewal:** The Africa Renewal information programme, produced by the Africa Section of the United Nations Department of Public Information, provides up-to-date information and analysis of the major economic and development challenges facing Africa today. **Website:** [www.un.org/ecosocdev/geninfo/afrec/](http://www.un.org/ecosocdev/geninfo/afrec/)

**Timbuktu Chronicles: A blog by Emeka Okafor**

With "a view of Africa and Africans with a focus on entrepreneurship, innovation, technology, practical remedies and other self-sustaining activities." **Website:** <http://timbuktuchronicles.blogspot.com/>

**AfriGadget:** AfriGadget is a must-read for African invention junkies. They are always on the look out for ingenious innovation that is new or a repurposing of existing technology in a new way, interesting in the sense that the story captures the imagination of others, inspiring others to see solutions in uncommon ways, practical ideas that solve problems in a demonstrable way, and entrepreneurs who are inventing new products or solutions. **Website:** [afrigadget.com](http://afrigadget.com)

## **Interesting Blogger**

### **EBP Lab**

The EBP LAB is a platform that promotes emerging leaders, thinkers and doers who are pioneering alternative routes to value creation in the 21st century. **Website:** <http://www.ebplab.com/emerging2emerging/>

## **Notable Websites**

### **UNRISD**

The United Nations Research Institute for Social Development (UNRISD) is an autonomous research institute within the UN system that undertakes multidisciplinary research and policy analysis on the social dimensions of contemporary development issues. UNRISD's new website is packed with resources and publications and always has a new event worth checking out. **Website:** <http://www.unrisd.org/>

## **Social Media**

### **Africa Entrepreneurship Platform**

This ground breaking initiative is created as a forum to showcase innovative ideas and businesses from Africa that have the ability to scale internationally, driving job creation and sustainable economic development between Africa and the Americas. **Website:** [www.sacca.biz](http://www.sacca.biz)

**AfriGadget on Facebook:** 'Solving everyday problems with African ingenuity': **Website:** [www.facebook.com/group.php?gid=2402629579](http://www.facebook.com/group.php?gid=2402629579)

## **Start-up Funding**

### **Venture Capital for Africa**

Venture Capital for Africa ([www.vc4africa.biz](http://www.vc4africa.biz)) is the continent's leading founder's network, the largest and fastest growing community of entrepreneurs and investors building promising companies in Africa. The community currently supports more than 1000 + ventures in more than 30 African countries. Already entrepreneurs have been featured in mainstream media, established joint ventures and secured funding. **Website:** <https://vc4africa.biz/>

### **Ashoka - Innovators for the Public**

To support social entrepreneurs who are leading and collaborating with changemakers, in a team of teams model that addresses the fluidity of a rapidly evolving society. Ashoka believes that anyone can learn and apply the critical skills of empathy, team work, leadership and changemaking to be successful in the modern world.

**Website:** <https://www.ashoka.org/>

### **Betterplace**

Betterplace.org is a transparent online donation platform. 5,818 projects already use the free technology and advice – and 392,264 donors have enthusiastically contributed. **Website:** <http://www.betterplace.org/en>

### **Hubs!**

They are sprouting up all over the place and now there is a map showing where they are in Africa. Website: <https://africahubs.crowdmap.com/#> And there are 18 in Latin America too. **Website:** <http://thenextweb.com/la/2012/08/11/18-latin-american-tech-hubs-know/>

### **The SEED Initiative**

Hosted by the UN Environment Programme's World Conservation Monitoring Centre (UNEP-WCMC), the SEED Initiative is a global partnership for action on the Green Economy. The annual SEED Awards help to develop the most promising social and environmental start-ups in emerging economies and developing countries.

**Website:** <http://unep.org/newscentre/Default.aspx?DocumentID=2647&ArticleID=8798&l=en>

### **The Pioneers of Prosperity Grant and Award**

This competition is a partnership between the OTF Group and the John F. Templeton Foundation of the United States, and promotes companies in East Africa by identifying local role models that act as examples of sustainable businesses in their country/region. It is open to businesses from Kenya, Uganda, Tanzania, Burundi and Rwanda. Five pioneers will receive US \$50,000 to re-invest in their business. It is open to for-profit businesses that provide high wages to their workers and that operate in sustainable ways.

**Website:** <http://pioneersofprosperity.org/index.php>

### **Oxford Said Business School Youth Business Development Competition**

Open to youth between 16 and 21 across the world, the competition is run by students at Oxford University to promote social enterprise. A prize fund of £2,000 in seed capital is up for grabs. It calls itself the 'world's first global youth development competition'.

**Website:** [www.sbs.ox.ac.uk/oba/se/ybd](http://www.sbs.ox.ac.uk/oba/se/ybd)

## **Challenge**

InnoCentive ([www.innocentive.com/](http://www.innocentive.com/)) is a challenge to the world's inventors to find solutions to real scientific and technological problems affecting the poor and vulnerable. It is an open marketplace where anybody with a problem can post it, and rewards for effective solutions stretch up to US \$100,000. They use rigorous intellectual property protection so ideas are not stolen without credit being given to the inventor. **Website:** [www.rockfound.org/about\\_us/news/2007/0720first\\_seeker.shtml](http://www.rockfound.org/about_us/news/2007/0720first_seeker.shtml)

### **Rwanda Innovation Endowment Fund (RIEF)**

Rwanda Research Innovation Endowment Fund (RIEF) was established and is managed by the Government of Rwanda, through the Ministry of Education (MINEDUC) in partnership with UNECA (SRO-EA & ISTD) under One UN Rwanda. The objective of this Fund is to stimulate economic transformation through R&D in innovative



market-oriented products and processes in priority areas of the economy, thereby increasing prosperity and the competitiveness of the Rwandan economy. The orientation can be either for economic growth, social development or combination of the two. **Website:** <http://www.mineduc.gov.rw/spip.php?article21>

### **The Innovation Prize for Africa (IPA)**

The United Nations Economic Commission for Africa (ECA) and the African Innovation Foundation (AIF) are delighted to announce the call for applications for the 2013 Innovation Prize for Africa (IPA). Too often, innovators and entrepreneurs are not highly profiled on the African development agenda. It is IPA's mission to elevate attention around innovative work and help support the vision of entrepreneurs. The prize honours and encourages innovative achievements that contribute towards the development of new products, increased efficiency or cost savings in Africa. The prize also promotes the efforts of young African men and women pursuing science, technology and engineering careers as well as business opportunities that aim to contribute to sustainable development in Africa. **Website:** <http://innovationprizeforafrica.org/>

### **Video**

Forum for the Future: Compelling animated videos exploring the hard choices of an urbanizing world and the need to promote sustainable development and environmental harmony. **Website:** <http://www.youtube.com/user/forumforthefuture96>

## **EVENTS**

Have an event you would like the South-South community to know about? Then send details to [developmentchallenges@googlemail.com](mailto:developmentchallenges@googlemail.com).

### **Africa Events**

An excellent resource by Aryan Media Group for all events in Africa in 2014. Look up events by the month or by country. **Website:** <http://www.events-africa.com/>

### **2014**

#### **July**

Have an event you would like the South-South community to know about? Then send details to [developmentchallenges@googlemail.com](mailto:developmentchallenges@googlemail.com).

### **Aviation Outlook Africa 2014**

Johannesburg, South Africa (1-2 July 2014)

Aviation Outlook Africa is a conference about meeting the demand for aviation solutions. The event targets decision-makers from local and international airlines, airports, investors and government.

**Website:** <http://www.events-africa.com/aviation-outlook-africa-2014-events-africa.html>

### **2nd International Conference on Global Public Health 2014**

Negombo, Sri Lanka (3-4 July 2014)

Offers a valuable opportunity to network with colleagues from many countries who share the same goals. Scientists and experts in Global public health are invited to participate in Asia's largest public health event in Sri Lanka. Session themes for the conference cover a rich and diverse range of research topics. We hope these sessions will bring researchers from across the globe together to discuss broad questions of common interest and provide a platform to establish relationships with new colleagues. You will be enlightened with innovative ideas and solutions at GPH 2014.

**Website:** <http://www.health3000.org/>

#### **August**

Have an event you would like the South-South community to know about? Then send details to [developmentchallenges@googlemail.com](mailto:developmentchallenges@googlemail.com).

### **U.S.-Africa Leaders' Summit**

Washington, DC, USA (4-6 August 2014)

President Obama in August will welcome leaders from across the African continent to the Nation's Capital for a three-day U.S.-Africa Leaders' Summit, the first such event of its kind. This Summit, the largest event any U.S. President has held with African heads of state and government, will build on the President's trip to Africa in the summer of 2013 and it will strengthen ties between the United States and one of the world's most dynamic and fastest growing regions. Specifically, the August 4-6 Summit will advance the Administration's focus on trade and investment in Africa and highlight America's commitment to Africa's security, its democratic development, and its people. At the same time, it will highlight the depth and breadth of the United States' commitment to the African continent, advance our shared priorities and enable discussion of concrete ideas to deepen the partnership. At its core, this Summit is about fostering stronger ties between the United States and Africa.

**Website:** <http://www.whitehouse.gov/us-africa-leaders-summit>

## **September**

### **Annual Meeting of the New Champions**

Tianjin, People's Republic of China (10-12 September 2014)

Established in 2007 as the foremost global gathering on science, technology and innovation, the Annual Meeting of the New Champions convenes the next generation of fast-growing enterprises shaping the future of business and society together with leaders from major multinationals as well as government, media, academia and civil society. Join us next September in Tianjin as part of – a community of more than 1,500 participants from 90 countries – for a true global experience addressing today's unprecedented set of intertwined global challenges – economic, political, societal and environmental.

**Website:** <http://www.weforum.org/events/annual-meeting-new-champions>

### **World Economic Forum on Europe, MENA and Eurasia**

Istanbul, Turkey (28-30 September 2014)

Shaping New Pathways to Development and Growth

Istanbul sits at the intersection of globally important regions and cultures, and within one of the world's most dynamic economies, Turkey. Building on a cross-regional platform introduced in Istanbul in 2012, the 2014 meeting will bring together over 1,000 of the foremost leaders from across Europe, the Middle East, North Africa and Central Asia. These regions share common challenges while remaining emphatically diverse. At the same time, they are increasingly interconnected, which creates a host of new opportunities and imperatives. Across these regions, business, government and civil society leaders are looking for ways to strengthen institutions, boost employment and create inclusive growth by fostering innovation and entrepreneurship. These shared efforts are critical for Europe's drive to close its competitiveness divide, North Africa's complex transitions and reforms in Central Asia.

**Website:** <http://www.weforum.org/events/world-economic-forum-europe-mena-and-eurasia>

## **October**

### **Global Youth Economic Opportunities Conference**

Washington, D.C., USA (6-8 October 2014)

Making Cents International is thrilled to announce the 2014 Global Youth Economic Opportunities Conference will take place October 6-8 at the Renaissance Arlington Capital View Hotel (2800 South Potomac Ave. Arlington, Virginia 22202), which is just minutes outside Washington, DC. We look forward to your engagement in a dynamic exchange of lessons learned, promising practices, and innovative ideas through a "Spotlight on Technology" and 5 learning tracks: Workforce Development, Youth Enterprise Development, Monitoring, Evaluation & Impact Assessment, Gender, Youth-Inclusive Financial Services and Capabilities.

**Website:** [youtheconomicopportunities.org/conference](http://youtheconomicopportunities.org/conference) and [makingcents.com](http://makingcents.com)

**Twitter:** @YouthEconOpps and @MakingCentsIntl

### **TEDGlobal 2014: South!**

Rio de Janeiro, Brazil (5-10 October 2014)

TEDGlobal is heading to Latin America. In October 2014, on the beach of Copacabana in Rio de Janeiro, we will be celebrating the outpouring of innovation, dynamism and creativity taking place all over South America and the global south. The world is changing fast. Fresh thinking can be found in every direction, in emerging geographies as well as in the western hemisphere. Prepare to have your world turned upside down: Join us in Rio to explore the realities of tomorrow.

**Website:** <http://conferences.ted.com/TEDGlobal2014/>

### **Hidden Money, Hidden Resources: Financing Development with Transparency**

Lima, Peru (14-15 October 2014)

You are invited to the 2014 annual conference of the Financial Transparency Coalition (FTC), co-hosted by the Latin American Network on Debt, Development, and Rights (LATINDAD). The event will bring together leaders in the development and finance communities to draw attention to the growing problem of illicit financial flows and the impact on development. By conveying a variety of stakeholders, from government officials to civil society advocates and policy experts from around the world, the conference serves as a global platform to exchange ideas, engage in creative thinking on the issue of illicit flows, and work together to find solutions. You can submit any questions to the conference team via email to: [conference@financialtransparency.org](mailto:conference@financialtransparency.org). We regret to inform you that the FTC is unable to provide funding for travel, accommodation, or per diems for the conference at this time. We apologize for any inconvenience this may cause.

**Website:** [http://conference.financialtransparency.org/conf/?page\\_id=13](http://conference.financialtransparency.org/conf/?page_id=13)

## **November**

### **Inequality, Democracy and Development under Neoliberalism and Beyond**

Chennai, India (3-7 November 2014)

The Latin American Council of Social Sciences (CLACSO), the Council for the Development of Social Science Research in Africa (CODESRIA) and the International Development Economic Associates (IDEAs), are pleased to announce the call for applications for participation in the Seventh South-South Institute on INEQUALITY, DEMOCRACY AND DEVELOPMENT UNDER NEOLIBERALISM AND BEYOND. The Institute will be held in Chennai, India, from November 3 to 7, 2014. Within the ambit of the third phase of the Africa/Asia/Latin America Scholarly

Collaborative Programme, a series of activities have been scheduled, among them an annual South-South Institute. The Institute is primarily designed to offer research training to younger scholars on the diverse problems and challenges facing the countries of the South. In doing so, we also seek to promote the revival and growth of comparative thinking and cross-regional networking among a younger generation of Southern scholars. As was done during the first phase of this programme, which ran from 2005 to 2007, the different sessions of the South-South Institute rotate among the three continents where the lead collaborating institutions are located, namely, Africa, Asia and Latin America. In this way, participants, who will also be drawn from all three continents, are exposed to the socio-historical contexts of other regions of the South as an input that helps to broaden their analytical perspectives and improves the overall quality of their scientific engagements.

**Website:** [http://www.networkideas.org/ideasact/jun14/ia25South\\_South\\_Institute\\_2014.htm](http://www.networkideas.org/ideasact/jun14/ia25South_South_Institute_2014.htm)

#### **World Economic Forum on India**

(New Delhi, India (4-6 November 2014))

India is Asia's third largest economy, the world's largest democracy and most populous country, with over 1.2 billion inhabitants. In this indispensable emerging market, the country's entrepreneurs and rapidly globalizing firms are key contributors to the world economy. However, as a fundamentally bottom-up, state-led and centrally enabled model, the country's development is a multidimensional undertaking. As a result, the challenges and opportunities that India encounters are among the most important yet also least understood in the world. Marking the thirtieth year of the World Economic Forum's active engagement in India, taking place at a time when the energetic optimism for India which has been prevalent in the past decade has given way to questions about the country's true potential, the Forum will provide the foremost multistakeholder platform bringing together international and national leaders in New Delhi who are invested in building a sustainable roadmap for India's future. This meeting will offer an opportunity to meet with the new government to discuss key issues that challenge inclusive growth in India and to focus to craft solutions. This will be an invaluable meeting for all who have a real interest in the future of India.

**Website:** <http://www.weforum.org/events/world-economic-forum-india-0>

#### **AITEC East Africa ICT Summit 2014**

Nairobi, Kenya (19-20 November 2014)

The time has come for East Africa's long heralded ICT revolution to start delivering results that improve the quality of life for the region's citizens. The technology is available, the international communication links are in place, the need is clear.

**Website:** <http://www.events-africa.com/aitec-east-africa-ict-summit-2014-events-africa.html>

### **December**

Have an event you would like the South-South community to know about? Then send details to [developmentchallenges@googlemail.com](mailto:developmentchallenges@googlemail.com).

### **January 2015 – Millennium Development Goals Deadline Year**

### **April**

#### **7th World Water Forum**

Daegu-Gyeongbuk, Republic of Korea (12-17 April 2015)

The 7th World Water Forum will take place in Daegu-Gyeongbuk, Republic of Korea, from 12 to 17 April 2015. The 7th Edition of the world's largest water event is expected to gather over 30,000 people from multi-stakeholder backgrounds for 6 days of high-quality sessions, intense debates and informative workshops.

**Website:** [worldwatercouncil.org](http://worldwatercouncil.org)

## **AWARDS AND FUNDING**

#### **CTA Top 20 Innovations for Smallholder Farmers: Call for Proposals**

CTA is a joint international institution of the African, Caribbean and Pacific (ACP) Group of States and the European Union (EU). Its mission is to advance food and nutrition security, increase prosperity and encourage sound natural resource management in ACP countries. Smallholder production systems in ACP countries are performing far below the levels required to sustain livelihoods, reduce poverty and contribute to the attainment of food and nutrition security and ecological sustainability. Research results and technologies that have been developed in universities and research institutes are said to "remain on the shelf". Farmer "innovations" are sometimes ignored and generally not valued or promoted. While it is recognized that, a complex package of inputs, support systems and management practices would be required to achieve the desired results; there is need to unleash the **innovation** potential of ACP scientists, engineers and farmers make visible the knowledge that remain out of reach of the majority of farmers in most ACP countries.

CTA is calling for proposals on innovations in use or have potential in smallholder agricultural production systems in ACP countries and which if known and widely promoted can benefit other farming communities.

**Website:** <http://youngfarmersfoundation.wordpress.com/2014/01/28/cta-top-20-innovations-for-smallholder-farmers-call-for-proposals/>

### **Agribusiness for Innovation**

The Nairobi-based Agribusiness for Innovation Incubator programme is inviting people to apply for the 2014 programme. If you have an innovation that is aimed at improving food production, processing, technology or distribution and have legalized your idea, then the Incubation Programme is looking for you. The programme invites 12 agribusiness start-ups with mature ideas to work together with facilitators, mentors and like minded entrepreneurs in the same environment for 16 weeks. The sessions and workshops will help the start-up teams analyze the real need for input and feedback from the market, customers and key stakeholders, and design their tests and pilots accordingly. After 4 weeks of the sessions the teams will make presentations to a panel of business angles and their fellow peers and they panel will select 5 start-ups that will be given the pre-committed funding of \$5,000 each, to commence the testing and piloting. The piloting programme will continue for 10 weeks where they will be having guidance from facilitators, advisers and mentors. The activities conclude with a presentation to potential investors, key stakeholders and the social enterprise community at large what their tests and pilots revealed, and what the next steps are for their business venture.

**Website:** <http://techmoran.com/where-are-the-kenyan-agribusiness-innovators/>

### **World Habitat Awards 2015**

New deadline for World Habitat Award submissions: the World Habitat Awards will now be presented at the World Urban Forum and UN-Habitat Governing Council events in April of each year, increasing opportunities for international exposure, networking and dissemination of the award winning approaches. **Website:**

<http://www.worldhabitatawards.org/enter/?lang=00>

### **Mayors Challenge**

Innovation comes from an intentional process of experimentation and exploration. The 2013–2014 Mayors Challenge is an ideas competition for European cities—a chance to win funding for a bold new solution to a major urban challenge. It exists to bring powerful new ideas to life—not only to help your own city, but to encourage others to adopt creative approaches as well. **Website:**

<http://mayorchallenge.bloomberg.org/index.cfm?objectid=58B735E0-1A4E-11E3-8975000C29C7CA2F>

### **The EU Contest for Young Scientists**

The European Union (EU) Contest for Young Scientists, an initiative of the European Commission, was set up to promote the ideals of co-operation and interchange between young scientists. **Website:**

[http://ec.europa.eu/research/youngscientists/index\\_en.cfm?pg=history](http://ec.europa.eu/research/youngscientists/index_en.cfm?pg=history)

### **2014 Innovation Prize for Africa**

The second round of the Innovation Prize for Africa (IPA), which aims to reward innovation across Africa in key sectors of interest, has been launched. The Economic Commission for Africa (ECA) expect the prize to promote among young African men and women in the pursuit of science, technology and engineering careers and business applications. The aims are to:

- Mobilize leaders from all sectors to fuel African innovation;
- Promote innovation across Africa in key sectors of interest through the competition;
- Promote science, technology and engineering as rewarding, exciting and noble career options among the youth in Africa by profiling success applicants; and
- Encourage entrepreneurs, innovators, funding bodies and business development service providers to exchange ideas and explore innovative business opportunities.

**Website:** [innovationPrizeForAfrica.org](http://innovationPrizeForAfrica.org)

### **World Summit Youth Award**

The international contest for young people using the Internet and mobiles to take action on the UN Millennium Development Goals. **Website:** [www.youthaward.org](http://www.youthaward.org)

### **Grand Challenges Canada: Request for proposals**

Grand Challenges Canada is pleased to announce a new initiative in its Maternal, Neonatal and Child Health grand challenge. It's called Saving Brains. Its goal is to unlock potential in children and dramatically transform lives in the developing world. The money to fund this program comes from the Development Innovation Fund. In Budget 2008, the Government of Canada committed \$225 million CAD over five years to the Development Innovation Fund, to support the best minds in the world in a collaborative search for solutions to global health challenges. For the Request for Proposals: **Website:** [http://www.grandchallenges.ca/wp-content/uploads/2011/05/Request\\_for\\_Proposals-Saving\\_Brains\\_EN.pdf](http://www.grandchallenges.ca/wp-content/uploads/2011/05/Request_for_Proposals-Saving_Brains_EN.pdf)

### **Zayed Future Energy Prize**

The world is in desperate need of innovative solutions to create a new, sustainable energy future. No one knows who or where the next great energy solution will come from. Solutions and technologies that could change the world are being developed globally, and the \$2.2 million Zayed Future Energy Prize, managed by Masdar in Abu Dhabi, recognizes and rewards innovation, leadership, and long-term vision in renewable energy and sustainability. **Website:** [www.zayedfutureenergyprize.com/](http://www.zayedfutureenergyprize.com/)

### **Philips Liveable Cities Award**

Philips is looking for individuals and community or non-government organizations and businesses with ideas for "simple solutions" that will improve people's health and well-being in a city to enter the Philips Liveable Cities Award. To help translate these ideas into reality, three Award grants totalling €125,000 are on the line. One

overall winning idea from any of the three categories outlined below will receive a grant of €75,000, while the two additional ideas will receive grants of €25,000. **Website:** <http://www.because.philips.com/livable-cities-award/about-the-award>

#### **Piramal Foundation in India**

Has established a US \$25,000 prize for ideas that help advance full access to effective public health care in India. The Piramal Prize is a \$25,000 Social Entrepreneurship Competition focused on democratizing health care in India that seeks to encourage and support bold entrepreneurial ideas which can profoundly impact access to higher standards of health for India's rural and marginalized urban communities. The award recognizes high-impact, scalable business models and innovative solutions that directly or indirectly address India's health-care crisis.

**Website:** [www.piramalprize.org](http://www.piramalprize.org)

#### **Special Award for South-South Transfer**

The aim of the award is to identify, provide visibility, and honour those who have successfully shared their projects and approaches internationally, thereby increasing the impact of the initiative. The winning practice receives US \$15,000 to further transfer the awarded practice to other communities in developing countries.

**Website:** [www.southsouthexpo.org](http://www.southsouthexpo.org)

#### **South-South Experience Exchange Facility**

Supported by Mexico, China, India, Denmark, Spain, The Netherlands, and the U.K. and now Colombia, the South-South Experience Exchange Facility is a multi-donor trust fund that promotes the idea that developing countries can learn from the successes of other developing countries in overcoming similar challenges. In the past 12 months, the trust has given out 35 grants to countries for learning activities ranging from working with at risk youth in the Caribbean to outsourcing IT services in Africa. **Website:** [www.southsouthcases.info](http://www.southsouthcases.info)

#### **African Writers Fund**

Together with the Ford Foundation, the Fund supports the work of independent creative writers living on the continent. The Fund recognizes the vital role that poets and novelists play in Africa by anticipating and reflecting the cultural, economic and political forces that continuously shape and reshape societies. **Website:**

[http://www.trustafrica.org/index.php?option=com\\_content&task=view&id=91&Itemid=90&lang=fr](http://www.trustafrica.org/index.php?option=com_content&task=view&id=91&Itemid=90&lang=fr)

#### **Joint NAM S&T Centre - ICCS Fellowship Programme**

Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) and International Center for Chemical Sciences (ICCS), (H.E.J. Research Institute of Chemistry and Dr. Panjwani Centre for Molecular Medicine and Drug Research), University of Karachi, Karachi, Pakistan

Contact: namstct@vsnl.com, namstct@bol.net.in, apknam@gmail.com

#### **PhD Plant Breeding Scholarships at the University of Ghana**

The University of Ghana ([www.ug.edu.gh](http://www.ug.edu.gh)) has been awarded a project support grant by the Alliance for a Green Revolution ([www.agra-alliance.org](http://www.agra-alliance.org)) in Africa (a joint venture between the Bill and Melinda Gates Foundation and the Rockefeller Foundation, for the establishment of a West African Centre for Crop Improvement (WACCI). This is available to scientists working at NARIs, universities and international centres in West Africa. Women scientists are especially encouraged to apply for a fellowship under this programme. **Website:**

[www.acci.org.za/Default.asp?nav=Home&idno=10](http://www.acci.org.za/Default.asp?nav=Home&idno=10)

#### **Genesis: India's Premier Social Entrepreneurship Competition**

Is a social entrepreneurship competition aiming to bring together social entrepreneurs, students, NGOs, innovators, incubators, corporations and financiers and encourage them to come up with innovative ideas which are socially relevant and feasible. **Website:** <http://genesis.iitm.ac.in/>

## **Jobs and Careers**

#### **Weitzenegger's International Development Job Market**

**Website:** [www.weitzenegger.de/new/jobmarket.php](http://www.weitzenegger.de/new/jobmarket.php)

#### **Global Knowledge Initiative**

The Global Knowledge Initiative seeks to build global knowledge partnerships between individuals and institutions of higher education and research. It seeks to help partners access the global knowledge, technology, and human resources needed to sustain growth and achieve prosperity for all."

**Website:** [www.globalknowledgeinitiative.org/](http://www.globalknowledgeinitiative.org/)

#### **ExportHelp - Promoting and supporting access to the European market**

The European Commission runs a database for the explicit support of market players in developing countries who want to bring their products to the EU market. The database gives an overview on the EU's preferential trade regimes established for developing countries as well as lists all tariffs, taxes and other requirements for goods imported into the EU.

**Website:** <http://exporthelp.europa.eu>

#### **Development Executive Group Devex Networking Website**

Over 90,000 global experts can network and connect and learn about more than 47,000 registered projects.

**Website:** [www.devex.org](http://www.devex.org)



### **Website Offers Career Advice to Young Africans**

Set up by the Commonwealth Secretariat, [Africacareerguidance.com](http://Africacareerguidance.com) is aimed at providing career guidance to African youth and helping them to link with prospective employers. AfricaRecruit is a human resources organization that provides skills training for African professionals in the Diaspora and on the continent. The website has an inbuilt email subscriber list for all its users and offers a searchable database of career profiles for job seekers and prospective employers. It also offers skills and interest assessments and advice on CV and résumé preparation. It provides tips about interviewing techniques, as well as information on internship and volunteer opportunities, and entrepreneurial skills.

**Website:** [www.africacareerguidance.com](http://www.africacareerguidance.com)

### **African Diaspora Skills Database**

This database was compiled to provide an overview of qualified African Diaspora professionals with varied areas of expertise and experience. The African Diaspora contributes substantially to the social, economic and political development of Africa, and this database is set up to further mobilize this considerable potential.

**Website:** [www.diaspora-centre.org/NEWSLETTER/Database](http://www.diaspora-centre.org/NEWSLETTER/Database)

### **Aid Workers Network (AWN)**

Aid Workers Network (AWN) is an online platform for aid, relief and development workers to ask and answer questions of each other, and to exchange resources and information. AWN is registered in the United Kingdom as a charity. You will find discussions about a range of questions and issues on the AWN forum from aid, relief and development workers all over the world and representing a variety of fields, with new threads or responses posted daily. The forum is a great way to get in contact with other aid and development workers in your geographic area or working in a similar area of work.

**Website:** [www.aidworkers.net](http://www.aidworkers.net)

### **Bizzlounge**

Bizzlounge is where people committed to ethical behaviour meet, who want to establish and maintain business contacts in an exclusive and relaxed environment.

**Website:** <http://bizzlounge.com>

### **Business Action for Africa**

Business Action for Africa is a network of businesses and business organizations working collectively to accelerate growth and poverty reduction in Africa.

**Website:** <http://businessactionforafrica.blogspot.com> \_

### **Business Fights Poverty**

Business Fights Poverty is a professional network for all those passionate about fighting world poverty through the power of good business.

**Website:** <http://businessfightspovetry.ning.com>

### **Business in Development Network (BiD)**

The BiD Network Foundation runs the BiD Challenge to contribute to sustainable economic development by stimulating entrepreneurship in developing countries.

**Website:** [www.bidnetwork.org](http://www.bidnetwork.org)

### **Zunia**

By Development Exchange, it offers news, publications and networking opportunities with the world's development community.

**Website:** [www.zunia.org](http://www.zunia.org)

### **Catalogue of Poverty Networks**

UNDP is organizing an online catalogue of Poverty Networks as a means to facilitate access to knowledge and sharing this to a wider audience in 189 countries. Poverty Networks are web-based platforms that provide space for sharing and disseminating development-related information and initiatives. Below you will find information on IPC's collaborating networks, which help foster dialogue between researchers, policymakers, civil society and multilateral organizations.

**Website:** [www.undp-povertycentre.org/povnet.do](http://www.undp-povertycentre.org/povnet.do)

### **Connections for Development (CfD)**

CfD is a UK, Black and Minority Ethnic (BME) led, membership based organization committed to ensuring that UK BME communities, and the organizations they are involved in, are supported in the process of shaping and delivering policy and projects that affect their countries of origin or interest – collectively "our world".

**Website:** [www.cfdnetwork.co.uk](http://www.cfdnetwork.co.uk)

### **Development Crossing**

Development Crossing was set up in 2006 by a small group of friends with diverse backgrounds ranging from business consulting to international development. In a world where the environment, corporate responsibility, and sustainable development are becoming increasingly intertwined, our goal was to create a site where individuals that shared our passion could keep up-to-date with relevant happenings in the world and connect with like-minded individuals. The idea behind Development Crossing is to provide a social network that brings together people from a variety of sectors, countries and professions to discuss corporate social responsibility and sustainable development.

**Website:** [www.developmentcrossing.com](http://www.developmentcrossing.com)

**DevelopmentAid.org**

The one-stop-information-shop for the developmental sector, DevelopmentAid.org is a membership organization that brings together information for developmental professionals, NGOs, consultancy firms and donors.

**Website:** [www.developmentaid.org](http://www.developmentaid.org)

**dgCommunities on the Development Gateway (Zunia.org)**

Zunia.org, a free online service by the Development Gateway Foundation is devoted to knowledge-sharing and collaboration for people working to reduce poverty in the developing world.

**Website:** <http://topics.developmentgateway.org>

**Diaspora African Forum**

This Forum exists "to invite and encourage the full participation of Africans in the Diaspora in the building of the African Union, in its capacity as an important part of the Continent". We will provide the vital linkage for Diaspora Africans to become involved in Africa's development as well as reap the fruits of African unity.

**Website:** [www.diasporafricanforum.org](http://www.diasporafricanforum.org)

**Business Planet: a new data map on Entrepreneurship**

Business Planet, an interactive Google map, now includes data on new business creation around the world. Measures of entrepreneurial activity are based on the number of total and newly registered corporations. Click on colour markers to learn more about each country.

**Website:** <http://rru.worldbank.org/businessplanet/default.aspx?pid=8>